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==============================================================
Sequence Listing was accepted.
If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).
Reviewer: Anne Corrigan
Timestamp: Tue Nov 06 17:21:58 EST 2007
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Application No: 10049967   Version No: 6.0

Input Set:

Output Set:

Started: 2007-10-23 12:16:20.555
Finished: 2007-10-23 12:16:21.954
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 399 ms
Total Warnings: 32
Total Errors: 0
No. of SeqIDs Defined: 46
Actual SeqID Count: 46

Error code   Error Description

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W   213   Artificial or Unknown found in <213> in SEQ ID (5)

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W   213   Artificial or Unknown found in <213> in SEQ ID (9)

W   213   Artificial or Unknown found in <213> in SEQ ID (10)

W   213   Artificial or Unknown found in <213> in SEQ ID (11)

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W   213   Artificial or Unknown found in <213> in SEQ ID (13)

W   213   Artificial or Unknown found in <213> in SEQ ID (14)

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W   213   Artificial or Unknown found in <213> in SEQ ID (16)

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W   213   Artificial or Unknown found in <213> in SEQ ID (19)

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Input Set:

Output Set:

Started: 2007-10-23 12:16:20.555
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Total Warnings: 32
Total Errors: 0
No. of SeqIDs Defined: 46
Actual SeqID Count: 46

Error code   Error Description

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　　　O'Sullivan, Gregory A.
　　　Mohammed, Nadiem
　　　Foran, Patrick G.

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　Thereof in Modulation of Cellular Exocytosis Methods of
　Treatment

<130> 17790 (BOT)

<140>　10049967
<141>　2004-02-23

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<220>
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<210> 3
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<220>
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<400> 3
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<210> 4
<211> 30

<212> DNA
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<220>
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<400> 4
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<223> PCR Primer

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<210> 6
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<220>
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<220>
<223> PCR Primer

<400> 8
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<220>
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<210> 11
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<400> 11
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<210> 12
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<223> PCR Primer

<400> 14
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<220>
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<210> 18
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<212> DNA
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<220>
<223> PCR Primer

<400> 19
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<220>
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<210> 21
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Peptide

<400> 21
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<210> 22
<211> 7
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<213> Artificial Sequence

<220>
<223> Peptide

<400> 22
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<210> 23
<211> 7
<212> PRT
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<220>
<223> Peptide

<400> 23
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<210> 24
<211> 6

<212> PRT
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<220>
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<210> 25
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<212> PRT
<213> Artificial Sequence

<220>
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<400> 25
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<210> 26
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<220>
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<210> 27
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<213> Artificial Sequence

<220>
<223> Peptide

<400> 27
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<210> 28
<211> 4
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<213> Artificial Sequence

<220>
<223> Peptide

<400> 28
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<210> 29
<211> 10
<212> PRT
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<220>
<223> Peptide

<400> 29
Gln Arg Ala Thr Lys Ala Leu Gly Ser Gly
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<210> 30
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<220>
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<210> 31
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<212> PRT
<213> Artificial Sequence

<220>
<223> Peptide

<400> 31
Gln Arg Ala Thr Lys Met Ala Gly Ser Gly
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<210> 32
<211> 10
<212> PRT
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<220>
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Gln Thr Ala Thr Lys Met Ala Gly Ser Gly
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<213> Homo sapiens

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gtggaggagg tggtggacat catacgtgtg aacgtggaca aggtcctgga gagggaccag 180
aagctgtcag agctggatga ccgagctgat gccttgcagg caggagcatc acaatttgag 240
agcagtgctg caaagctaaa gaggaagtat tggtggaaaa actgcaagat gatgatcatg 300
ctgggaacca tctgtgccat catcgtggta gttattgtaa tctacttttt tact 354

<210> 34
<211> 118
<212> PRT
<213> Homo sapiens

<400> 34

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 1               5                  10                  15
Pro Gly Gly Gly Pro Pro Gly Pro Pro Pro Asn Met Thr Ser Asn Arg
            20                  25                  30
Arg Leu Gln Gln Thr Gln Ala Gln Val Glu Glu Val Val Asp Ile Ile
        35                  40                  45
Arg Val Asn Val Asp Lys Val Leu Glu Arg Asp Gln Lys Leu Ser Glu
    50                  55                  60
Leu Asp Asp Arg Ala Asp Ala Leu Gln Ala Gly Ala Ser Gln Phe Glu
65                  70                  75                  80
Ser Ser Ala Ala Lys Leu Lys Arg Lys Tyr Trp Trp Lys Asn Cys Lys
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Met Met Ile Met Leu Gly Thr Ile Cys Ala Ile Ile Val Val Val Ile
                100                 105                 110
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<212> DNA
<213> Homo sapiens

<220>
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<223> n is any nucleotide

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cctccaaacc tcaccagtaa caggagactg cagcagaccc aggcccaggt ggatgaggtg 180
gtggacatca tgagggtgaa cgtggacaag gtcctggagc gagaccagaa gctgtcggag 240
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aagctcaagc gcaaatactg gtggaaaaac ctcaagatga tgatcatctt gggagtgatt 360
tgcgccatca tcctcatcat catcatagtt tacttcagca cttaaatccc cgaggagtct 420
gccctgccta gagaagggcc tctcccccaa ccctcagccg ttcctccacc tctcagccat 480

atctntcagc cccccctc   498

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<211> 384
<212> DNA
<213> Homo sapiens

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accgctgcca ccgtcccgcc tgccgccccg gccggcgagg gtggcccccc tgcacctcct 180
ccaaacctta ctagtaacag gagactgcag cagacccagg cccaggtgga tgaggtgagt 240
gtgtgtgtgt gtctgtgtct gtgtctatgt ctatgtatgt caaagatgca agatgatggg 300
ctggcaaata ggtgtgggag cccatcttgg gttgaaggta aagacagctt atgcttgtgg 360
gttttggtcg agacctgcc tcat   384

<210> 37
<211> 638
<212> DNA
<213> Homo sapiens

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cgaagacttc agcagacaca aaatcaagta gatgaggtgg tggacataat gcgagttaac 120
gtggacaagg ttctggaaag agaccagaag ctctctgagt tagacgaccg tgcagacgca 180
ctgcaggcag gcgcttctca atttgaaacg agcgcagcca agttgaagag gaaatattgg 240
tggaagaatt gcaagatgtg ggcaatcggg attactgttc tggttatctt catcatcatc 300
atcatcgtgt gggttgtctc ttcatgaaga accagcggaa ctcaaaactg ctgttcaaga 360
aacctcttca agactttga cttagaacct gctatattat caagcttacc tactgttatc 420
tctaaaattt tttttgtgtt aatgtaaagt tgaatttcta ggaaacgtgc ctttgttttt 480
taatatgcac tccaaattag aaggccggcc ccgtccacat tttgcacagt gcctttacag 540
atttacgtat gggctgatga agaggccttc ttaagttcca gagtgctata atctagatgt 600
aatgttgtca ctaattaatt gccattactc cccttttag   638

<210> 38
<211> 100
<212> PRT
<213> Homo sapiens

<400> 38
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Gln Thr Gln Asn Gln Val Asp Glu Val Val Asp Ile Met Arg Val Asn
                20   25   30
Val Asp Lys Val Leu Glu Arg Asp Gln Lys Leu Ser Glu Leu Asp Asp
        35   40   45
Arg Ala Asp Ala Leu Gln Ala Gly Ala Ser Gln Phe Glu Thr Ser Ala
    50   55   60
Ala Lys Leu Lys Arg Lys Tyr Trp Trp Lys Asn Cys Lys Met Trp Ala
65   70   75   80
Ile Gly Ile Thr Val Leu Val Ile Phe Ile Ile Ile Ile Val Trp
                85   90   95
Val Val Ser Ser
            100

<210> 39

<211> 800
<212> DNA
<213> Homo sapiens

<400> 39
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aacagagagc tcaccagatt actgatgagt ctctggaaag tacgaggaga atcctgggtt 180
tagccattga gtctcaggat gcaggaatca agaccatcac tatgctggat gaacaaaagg 240
aacaactaaa ccgcatagaa gaaggcttgg accaaataaa taggacatg agagagacag 300
agaagacttt aacagaactc aacaaatgct gtggcctttg tgtctgccca tgtaatagaa 360
caaagaactt tgagtctggc aaggcttata agacaacatg gggagatggt ggagaaaact 420
caccttgcaa tgtagtatct aaacagccag gcccggtgac aaatggtcag cttcagcaac 480
caacaacagg agcagtcagt ggtggataca ttaaacgcat aactaatgat gccagagaag 540
atgaaatgga agagaacctg actcaagtgg gcagtatcct gggaaatcta aaagacatgg 600
ccctgaacat aggcaatgag attgatgctc aaaatccaca aataaaacga atcacagaca 660
aggctgacac caacagagat cgtattgata ttgccaatgc cagagcaaag aaactcattg 720
acagctaaag ctactgctgt tcttctttat catttattca cttccgtagc tcctccttga 780
aagttattac cttttcagag 800

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<211> 211
<212> PRT
<213> Homo sapiens

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Thr Asp Glu Ser Leu Glu Ser Thr Arg Arg Ile Leu Gly Leu Ala Ile
            20   25   30
Glu Ser Gln Asp Ala Gly Ile Lys Thr Ile Thr Met Leu Asp Glu Gln
        35   40   45
Lys Glu Gln Leu Asn Arg Ile Glu Glu Gly Leu Asp Gln Ile Asn Lys
    50   55   60
Asp Met Arg Glu Thr Glu Lys Thr Leu Thr Glu Leu Asn Lys Cys Cys
65   70   75   80
Gly Leu Cys Val Cys Pro Cys Asn Arg Thr Lys Asn Phe Glu Ser Gly
                85   90   95
Lys Ala Tyr Lys Thr Thr Trp Gly Asp Gly Gly Glu Asn Ser Pro Cys
            100   105   110
Asn Val Val Ser Lys Gln Pro Gly Pro Val Thr Asn Gly Gln Leu Gln
            115   120   125
Gln Pro Thr Thr Gly Ala Val Ser Gly Gly Tyr Ile Lys Arg Ile Thr
    130   135   140
Asn Asp Ala Arg Glu Asp Glu Met Glu Glu Asn Leu Thr Gln Val Gly
145   150   155   160
Ser Ile Leu Gly Asn Leu Lys Asp Met Ala Leu Asn Ile Gly Asn Glu
                165   170   175
Ile Asp Ala Gln Asn Pro Gln Ile Lys Arg Ile Thr Asp Lys Ala Asp
            180   185   190
Thr Asn Arg Asp Arg Ile Asp Ile Ala Asn Ala Arg Ala Lys Lys Leu
        195   200   205
Ile Asp Ser
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<210> 41

<211> 923
<212> DNA
<213> Homo sapiens

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ggaggagatg cagcgaaggg ctgaccagtt ggctgatgag tcgctggaaa gcacccgtcg 180
tatgctgcaa ctggttgaag agagtaaaga tgctggtatc aggactttgg ttatgttgga 240
tgaacaagga gaacaactcg atcgtgtcga agaaggcatg aaccatatca accaagacat 300
gaaggaggct gagaaaaatt taaagatttt agggaaatgc tgtggccttt tcatatgtcc 360
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cggcttcatc cgcagggtaa caaatgatgc ccgagaaaat gaaatggatg aaaacctaga 540
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cgatacacag aatcgccaga tcgacaggat catggagaag gctgattcca acaaaaccag 660
aattgatgag gccaaccaac gtgcaacaaa gatgctggga agtggttaag tgtgcccacc 720
cgtgttctcc tccaaatgct gtcgggcaag atagctcctt catgctttc tcatggtatt 780
atctagtagg tctgcacaca taacacacat cagtccaccc ccattgtgaa tgttgtcctg 840
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<211> 206
<212> PRT
<213> Homo sapiens

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            20   25   30
Leu Gln Leu Val Glu Glu Ser Lys Asp Ala Gly Ile Arg Thr Leu Val
        35   40   45
Met Leu Asp Glu Gln Gly Glu Gln Leu Asp Arg Val Glu Glu Gly Met
    50   55   60
Asn His Ile Asn Gln Asp Met Lys Glu Ala Glu Lys Asn Leu Lys Asp
65   70   75   80
Leu Gly Lys Cys Cys Gly Leu Phe Ile Cys Pro Cys Asn Lys Leu Lys
                85   90   95
Ser Ser Asp Ala Tyr Lys Lys Ala Trp Gly Asn Asn Gln Asp Gly Val
            100   105   110
Val Ala Ser Gln Pro Ala Arg Val Val Asp Glu Arg Glu Gln Met Ala
        115   120   125
Ile Ser Gly Gly Phe Ile Arg Arg Val Thr Asn Asp Ala Arg Glu Asn
    130   135   140
Glu Met Asp Glu Asn Leu Glu Gln Val Ser Gly Ile Ile Gly Asn Leu
145   150   155   160
Arg His Met Ala Leu Asp Met Gly Asn Glu Ile Asp Thr Gln Asn Arg
                165   170   175
Gln Ile Asp Arg Ile Met Glu Lys Ala Asp Ser Asn Lys Thr Arg Ile
            180   185   190
Asp Glu Ala Asn Gln Arg Ala Thr Lys Met Leu Gly Ser Gly
        195   200   205

<210> 43

<211> 923
<212> DNA
<213> Homo sapiens

<400> 43
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ggaggagatg cagcgaaggg ctgaccagtt ggctgatgag tcgctggaaa gcacccgtcg 180
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gaaagaagca gaaaagaatt tgacggacct aggaaaattc tgcgggcttt gtgtgtgtcc 360
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agtggtggcc agccagcctg ctcgtgtagt ggacgaacgg gagcagatgg ccatcagtgg 480
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cgatacacag aatcgccaga tcgacaggat catggagaag gctgattcca acaaaaccag 660
aattgatgag gccaaccaac gtgcaacaaa gatgctggga agtggttaag tgtgcccacc 720
cgtgttctcc tccaaatgct gtcgggcaag atagctcctt catgcttttc tcatggtatt 780
atctagtagg tctgcacaca taacacacat cagtccaccc ccattgtgaa tgttgtcctg 840
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ttccaaaggt tgtacatagt ggt 923

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<211> 206
<212> PRT
<213> Homo sapiens

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            20   25   30
Leu Gln Leu Val Glu Glu Ser Lys Asp Ala Gly Ile Arg Thr Leu Val
        35   40   45